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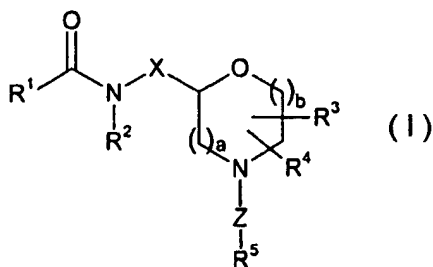
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(54) Title: MORPHOLIN-ACETAMIDE DERIVATIVES FOR THE TREATMENT OF INFLAMMATORY DISEASES



(57) Abstract: Compounds of formula (I) wherein: R<sup>1</sup> represents C<sub>1-16</sub> alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>2-6</sub>alkynyl-Y<sup>1</sup>-, aryl-Y<sup>1</sup>-, heteroaryl-Y<sup>1</sup>-, aryl-(O)-aryl-Y<sup>1</sup>-, aryl-(O)-heteroaryl-Y<sup>1</sup>-, heteroaryl-(O)-aryl-Y<sup>1</sup>-, heteroaryl-(O)-heteroaryl-Y<sup>1</sup>-, C<sub>2-6</sub> alkenyl-Y<sup>1</sup>-, aryl-O-Y<sup>1</sup>-, heteroaryl-O-Y<sup>1</sup>-, C<sub>1-16</sub> alkyl-SO<sub>2</sub>-Y<sup>1</sup>-, M-Y<sup>1</sup>-, J<sup>2</sup>-Y<sup>1</sup>-, -CN or C<sub>3-8</sub> cycloalkyl-Y<sup>1</sup>- or C<sub>3-8</sub> cycloalkenyl-Y<sup>1</sup>-, which cycloalkyl or cycloalkenyl may be optionally substituted by one or more hydroxyl or C<sub>1-16</sub> Alkyl groups; R<sup>2</sup> represents hydrogen or C<sub>1-16</sub> alkyl; X represents ethylene or a group of formula CR<sup>e</sup>R<sup>f</sup> wherein R<sup>e</sup> and R<sup>f</sup> independently represent hydrogen or C<sup>1-14</sup> alkyl or R<sup>e</sup> and R<sup>f</sup> may together with the carbon atom to which they are attached form a C<sub>3-8</sub> cycloalkyl group; R<sup>3</sup> and R<sup>4</sup> independently represent hydrogen or C<sub>1-14</sub> alkyl; Z represents a bond, CO, SO<sub>2</sub>, CR<sup>9</sup>R<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>, (CH<sub>2</sub>)<sub>n</sub>CR<sup>9</sup>R<sup>6</sup>, CHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>O, CHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>S, CHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>OCO, CHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>CO, COCHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub> or SO<sub>2</sub>CHR<sup>6</sup>(CH<sub>2</sub>)<sub>n</sub>; n represents an integer from 0 to 4; processes for preparing them, formulations containing them and their use in therapy for the treatment of inflammatory diseases.

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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D265/30 C07D413/12 C07D417/12 C07D413/06 C07D417/14  
C07D413/14 A61K31/5375 A61K31/5377 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 243 959 A (DAINIPPON PHARMACEUTICAL CO) 4 November 1987 (1987-11-04) claims	1-3, 15, 19
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A	WO 96 37486 A (JANSSEN PHARMACEUTICA NV ; HENDRICKX MARIE LOUISE & HF (BE); DAELE) 28 November 1996 (1996-11-28) claims	1-23
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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